

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)



» Adva

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®

RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review

Quick Links

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced
- CrossRef

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype **GO**

Help

- 1) Enter a single keyword, phrase, or Boolean expression.
Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations)
- 2) Limit your search by using search operators and field codes, if desired.
Example: optical <and> (fiber <or> fibre) <in> ti
- 3) Limit the results by selecting Search Options.
- 4) Click Search. See [Search Examples](#)

```
(histogram* <near/5> differ*) <paragraph> (scene* or shot*)
```

Start Search | **Clear**

Note: This function returns plural and suffixed forms of the keyword(s).

Search operators: <and> <or> <not> <in> [More](#)

Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) [More](#)

Search Options:

Select publication types:

- IEEE Journals
- IEE Journals
- IEEE Conference proceedings
- IEE Conference proceedings
- IEEE Standards

Select years to search:

From year: **All** to **Present**

Organize search results by:

Sort by: **Relevance**
In: **Descending** order

List **15** Results per page

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)



» Se.

[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)



RELEASE 1.8

Welcome
United States Patent and Trademark Office

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

Quick Links



Welcome to IEEE Xplore®

- [Home](#)
- [What Can I Access?](#)
- [Log-out](#)

Tables of Contents

- [Journals & Magazines](#)
- [Conference Proceedings](#)
- [Standards](#)

Search

- [By Author](#)
- [Basic](#)
- [Advanced](#)
- [CrossRef](#)

Member Services

- [Join IEEE](#)
- [Establish IEEE Web Account](#)
- [Access the IEEE Member Digital Library](#)

IEEE Enterprise

- [Access the IEEE Enterprise File Cabinet](#)

[Print Format](#)

Your search matched **7 of 1079782** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

Check to search within this result set

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 Hierarchical video indexing and retrieval for subband-coded video

Lee, J.; Dickinson, B.W.;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 10 , Issue: 5 , Aug. 2000

Pages:824 - 829

[\[Abstract\]](#) [\[PDF Full-Text \(2168 KB\)\]](#) [IEEE JNL](#)

2 Frame difference normalization: an approach to reduce error rates of detection algorithms for MPEG videos

Ewerth, R.; Freisleben, B.;

Image Processing, 2003. Proceedings. 2003 International Conference on , Vol 2 , 14-17 Sept. 2003

Pages:II - 1009-12 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(371 KB\)\]](#) [IEEE CNF](#)

3 Inertia-based cut detection technique: a step to the integration of v coding and content-based retrieval

Tieyan Liu; Xudong Zhang; Desheng Wang; Jian Feng; Kwok-tung Lo;

Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th International Conference on , Volume: 2 , 21-25 Aug. 2000

Pages:1018 - 1025 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) [IEEE CNF](#)

4 Abrupt shot change detection using an unsupervised clustering of multiple features

Hun Cheol Lee; Cheong Woo Lee; Seong Dae Kim;

Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2000

IEEE International Conference on , Volume: 6 , 5-9 June 2000
Pages:2015 - 2018 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(320 KB\)\]](#) [IEEE CNF](#)

5 Scene abrupt change detection

Xinying Wang; Zhengke Weng;
Electrical and Computer Engineering, 2000 Canadian Conference on , Volume:
2 , 7-10 March 2000
Pages:880 - 883 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(256 KB\)\]](#) [IEEE CNF](#)

6 A unified memory based approach to cut, dissolve, key frame and scene analysis

Aner, A.; Kender, J.R.;
Image Processing, 2001. Proceedings. 2001 International Conference on , Vol
3 , 7-10 Oct. 2001
Pages:370 - 373 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(320 KB\)\]](#) [IEEE CNF](#)

7 Robust video shot change detection

Dugad, R.; Ratakonda, K.; Ahuja, N.;
Multimedia Signal Processing, 1998 IEEE Second Workshop on , 7-9 Dec. 1998
Pages:376 - 381

[\[Abstract\]](#) [\[PDF Full-Text \(308 KB\)\]](#) [IEEE CNF](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

Printed by EAST

UserID: DMariam

Computer: WS07216

Date: 10/15/2004

Time: 10:16

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	IS&R	L1	3818	(382/168,170,172,236,239,268,270,272,274,275,305).CCLS.	USPA	2004/10/1 T 5 09:55			0
2	IS&R	L2	348	(348/700).CCLS.	USPA	2004/10/1 T 5 09:57			0
3	BRS	L3	10433	(scene\$1 or shot\$1) same (abrupt\$2 or sudden\$2 or fade\$1 or dissolv\$3 or gradual\$2 or wipe\$1 or cut\$1 or transition\$1)	USPA	2004/10/1 T 5 10:15			0
4	BRS	L4	28	3 same (histogram\$5 near10 (differ\$5 or variation\$1))	USPA	2004/10/1 T 5 10:16			0
5	BRS	L6	15	4 same (criteri\$3 or threshold\$3)	USPA	2004/10/1 T 5 10:04			0
6	BRS	L7	3	6 same (statistic\$5 or deviation or median or mean or averag\$3)	USPA	2004/10/1 T 5 10:05			0
7	BRS	L8	5	1 and 4	USPA	2004/10/1 T 5 10:05			0
8	BRS	L9	10	2 and 4	USPA	2004/10/1 T 5 10:05			0
9	BRS	L10	502	(averag\$3 or median or mean or (standard adj deviation) same (histogram\$5 near10 (differ\$5 or variation\$1))	USPA	2004/10/1 T 5 10:07			0
10	BRS	L11	127	10 same threshold\$3	USPA	2004/10/1 T 5 10:07			0
11	BRS	L12	28	3 and 4	USPA	2004/10/1 T 5 10:07			0
12	BRS	L13	5	1 and 12	USPA	2004/10/1 T 5 10:07			0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
13	BRS	L14 10	2 and 12 (scene\$1 or shot\$1) same (abrupt\$2 or sudden\$2 or dissolve\$3 or gradual\$2 or cut\$1 or transition\$1 or break*)	USPA T	2004/10/1 5 10:07			0
14	BRS	L15 10433	10433 gradual\$2 or wipe\$1 or cut\$1 or transition\$1 or break*)	USPA T	2004/10/1 5 10:15			0
15	BRS	L16 143	1 and 15	USPA T	2004/10/1 5 10:16			0
16	BRS	L17 118	2 and 15	USPA T	2004/10/1 5 10:16			0
17	BRS	L18 28	15 same (histogram\$5 near10 (differ\$5 or variation\$1))	USPA T	2004/10/1 5 10:16			0